

Q¹ 8. (Amended) Expression vector containing one or more DNA sequences according to one of claims 1 to 3.

Q² 11. (Amended) Protein according to claim 9, characterized in that it a) is the product of viral, prokaryotic or eukaryotic expression of exogenous DNA, b) is coded by sequences SEQ ID no. 1, 3 or 5 or is coded by DNA sequences which hybridize with DNA sequences SEQ ID no. 1, 3, 5 or fragments of these DNA sequences in the DNA region which codes for the mature protein, or c) is coded by DNA sequences which would hybridize without degeneration of the genetic code with the sequences defined in b) and which code for a polypeptide with a corresponding amino acid sequence.

12. (Amended) Protein according to one of claims 1-3, 6, 9, 10, 11, 22 and 23 characterized in that it comprises the amino acid sequences SEQ ID no. 2, 4 or 6.

Q 18. (Amended) Use of DNA according to one of claims 1 to 3.

Please add the following Claims 19-23.

19. Use of proteins according to claim 9.

20. Use of proteins according to Claim 10.

Q⁴ 21. Use of transgenic systems according to claim 7 for the prevention or treatment of diseases in humans and animals.

22. Process for the production of transgenic viruses, eukaryotes and prokaryotes for modifying the isoprenoid content, characterized in that a DNA sequence according to claim 5 is transferred and incorporated into the genome of viruses, eukaryotic and prokaryotic cells with or without use of a vector.